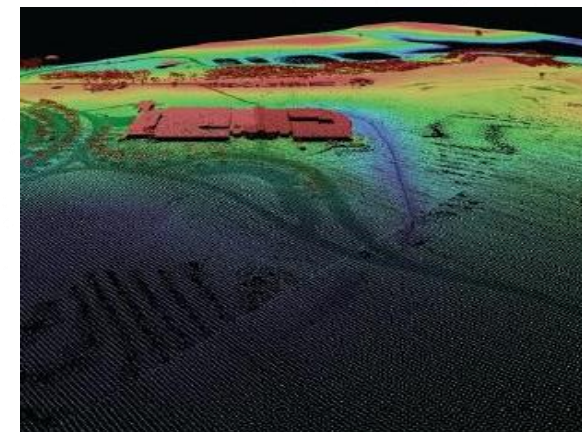
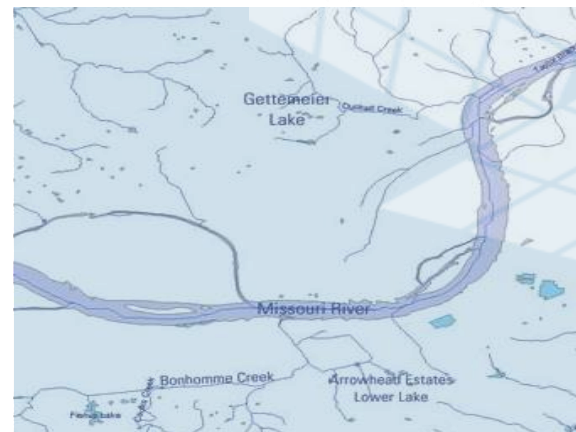
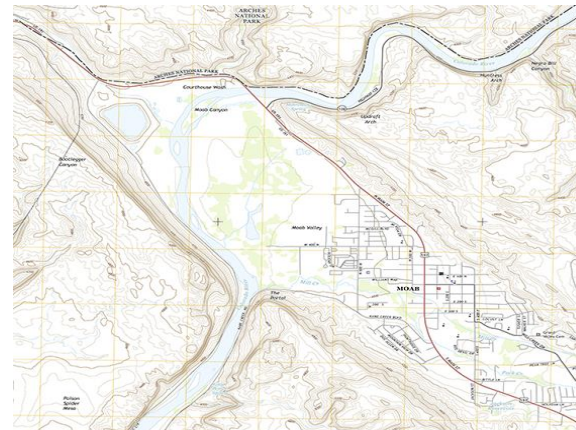




# 3DEP Update for NGAC



Vicki Lukas  
September 8, 2022

# 3DEP News

## Inflation Reduction Act of 2022 - \$23.5M for 3DEP

- “TITLE VI—COMMITTEE ON ENVIRONMENT AND PUBLIC WORKS, Subtitle B—Natural Resources, PART 7—UNITED STATES GEOLOGICAL SURVEY , SEC. 50271. UNITED STATES GEOLOGICAL SURVEY 3D ELEVATION PROGRAM: “In addition to amounts otherwise available, there is appropriated to the Secretary, acting through the Director of the United States Geological Survey, for fiscal year 2022, out of any money in the Treasury not otherwise appropriated, **\$23,500,000, to remain available through September 30, 2031, to produce, collect, disseminate, and use 3D elevation data.**”
- Because the uses of lidar data are very broad, the ROI from national coverage is high (estimated in 2012 at \$690M per/year with the potential to grow to \$13B/year)
  - The benefits accrue to applications that need accurate and high-resolution elevation and topography data
  - The funding provided to 3DEP by this Act will help Federal agencies tasked with implementing programs that require precision elevation data
- This “shot in the arm” for 3DEP will accelerate our planned completion of National coverage, particularly if we can leverage it with partners
  - Designed as a partner-driven program: from 2015-2021, over 300 Federal, State and Local partners have provided \$485M or about 65% of the total project cost



# Potential Uses

## Inflation Reduction Act of 2022 - \$23.5M for 3DEP

- Funding towards completion of the national 3DEP baseline – particularly to leverage other Federal agency IRA funding to help complete Federal lands
- Expand inland bathymetry acquisition
- Operations funding to ensure efficient processing of incoming data, improve workflow tracking to support communications on status
- Development of 1m seamless DEM to support deriving hydrography from lidar for 3D Hydrography Program and to improve a broad range of other applications
- Research for next generation 3DEP

# FY22 3DEP Data Acquisition Status

## FY22 Broad Agency Announcement (BAA)

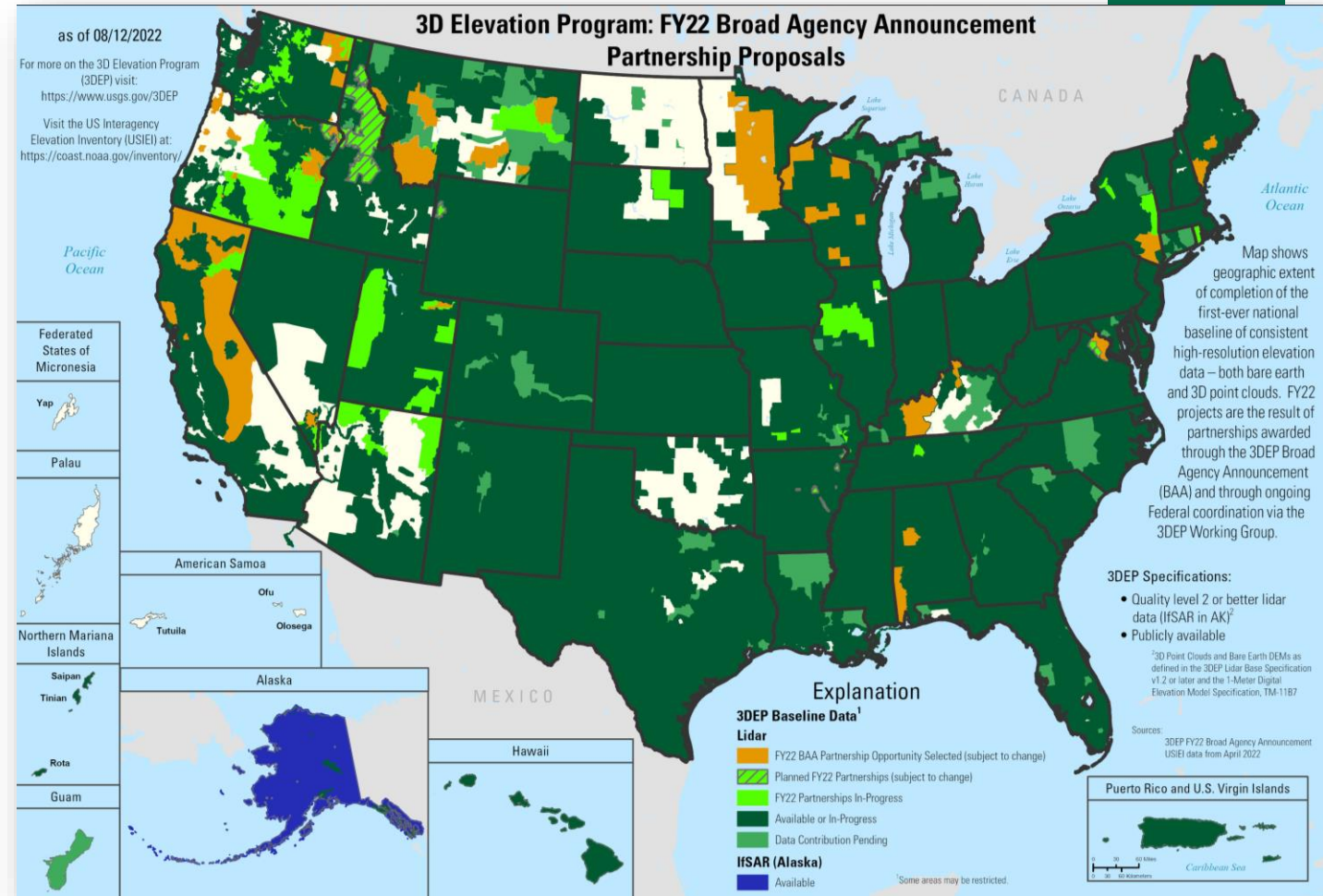
- Approved 23 proposals in 14 states for ~ 180k sq mi

## FY22 Federal Partnerships

- Awarded 11 projects in 11 states for ~ 82k sq mi
- Additional FY22 projects to be awarded (not shown on map) include:
  - ~ 36k sq mi in Oklahoma to complete statewide baseline coverage
  - ~ 42k sq mi in North Dakota

## Highlights

- Partnership with USFWS for inland bathymetry project for Fish Springs National Wildlife Refuge in western Utah
- USGS and NRCS/FPAC-BC partnered on ~ 6k sq mi 3DEP project that covers a significant portion of Navajo Nation in northeast Arizona
- NRCS/FPAC-BC added ~ \$30M to agreement with USGS to support 3DEP data acquisition in FY23
- New agreement with BLM to support the FY23 acquisition of \$2M of 3DEP data for BLM managed lands





# THANK YOU!

